



Amendment Number VII to the 2021-2022 HCC Bulletin

Effective Spring 2022

Pages 213-218 Revise Program Page as follows

Associate Degree Program Options (Accelerated Program for LPN/Paramedic)

Individuals who have completed an accredited practical nursing program or an accredited paramedic program and hold the practical nursing license or a paramedic license or certification may be eligible to enter the Accelerated Program for LPNs and Paramedics. LPNs must have 500 hours or 6 months of medical-surgical experience. Individuals who have completed an accredited paramedic program and hold a valid current unencumbered professional license or certification may be eligible to enter the Accelerated program for LPN/paramedic. Paramedics must have at least one year of field experience verified by letter from employer. Upon completion of this program, the student is qualified to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

Option One - 12 Month Program

The student must complete and pass with a C or higher in the following courses as prerequisites for admission into the ADNP at Holmes Community College - Total 15 hours: BIO 2514 - A & P I, BIO 2524 - A & P II, BIO2924 - Microbiology, BIO 1613 or FCS 1253 - Nutrition, and a passing grade in the following courses as prerequisites for admission into the ADNP at Holmes Community College - Total 9 hours: ENG 1113 - English Composition I, PSY 1513 - General Psychology, and PSY/EPY 2533 - Human Growth & Development.

Summer Term

Nursing Trans I	NUR 1316	Nursing Trans II	NUR 1326
Total	6 hrs.	Total	6 hrs.

First Year

First Semester		Second Semester	
Nursing III	NUR 2119	Nursing IV	NUR 2239
Humanities/Fine Arts Elective	3	Manage/Nursing Care	NUR 2243
Total	*12 hrs.	Total	*12 hrs.

Total Program - 66 hours**

**LPNs/Paramedics are given 6 hours credit toward graduation for their prior LPN/Paramedic training.

*Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

**Associate Degree Program Options
(Accelerated Program for LPN/Paramedic)**

Individuals who have completed an accredited practical nursing program or an accredited paramedic program and hold the practical nursing license or a paramedic license or certificate may be eligible to enter the Accelerated Program for LPNs and Paramedics. LPNs must have 500 hours or 6 months of medical-surgical experience. Individuals who have completed an accredited paramedic program and hold a valid current unencumbered professional license or certification may be eligible to enter the Accelerated program for LPN/paramedic. Paramedics must have at least one year of field experience verified by letter from employer. Upon completion of this program, the student is qualified to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

Option Two - Four Semester Program

The student must complete and pass with a C or higher the following courses as prerequisites for admission into the ADNP at Holmes Community College - Total 15 hours: BIO 2514 - A & P I, BIO 2524 - A & P II, BIO2924 - Microbiology, BIO 1613 or FSC 1253 – Nutrition.

First Year

First Semester (Fall)	Second Semester (Spring)
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Nursing Theory I	NUR 1116	Nursing Theory II	NUR 1226
English Composition I	ENG 1113	Human Growth & Dev	EPY/PSY 2533
General Psychology	PSY 1513		

Total	*12 hrs.	Total	*9 hrs.
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Second Year

First Semester (Fall)	Second Semester (Spring)
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Nursing III	NUR 2119	Nursing IV	NUR 2239
Humanities/Fine Arts Elective	3	Manage/Nursing Care	NUR 2243

Total	*12 hrs.	Total	*12 hrs.
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Total Program - 66 hours**

**LPNs/Paramedics are given 6 hours credit toward graduation for their prior LPN/Paramedic training.

*Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

ASSOCIATE DEGREE NURSING MISSION STATEMENT

The purpose of the Holmes Community College Associate Degree Nursing Program is two-fold:

1. To prepare registered nurse generalists who have attained competency. Competency is identified as a performance standard, which includes knowledge, abilities, and understanding that goes beyond specific tasks and is guided by commitment to ethical and scientific principles of nursing practice.
2. To provide equal access to higher education for traditional and non-traditional students while promoting excellence in all areas of nursing.

ASSOCIATE DEGREE NURSING ADMISSION POLICY

The Associate Degree Nursing Program is a two-year program designed to provide educational opportunities to qualified students for a career in nursing. The program responds to the expanding health care needs of the community. The curriculum includes a balance of general education, nursing theory, and laboratory/clinical experience. Graduates receive an Associate of Applied Science degree (AAS). Graduates that meet the requirements of the State Board of Nursing are eligible to write the National Council Licensure Examination for Registered Nurses. The Associate Degree Nursing Program is accredited by the Board of Trustees of State Institutions of Higher Learning of Mississippi (www.ihl.state.ms.us) and the Accreditation Commission for Education in Nursing (ACEN). The Accreditation Commission for Education in Nursing can be contacted at 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326 (www.acenursing.org), Phone: 404-975-5000, Fax: 404-975-5020 for specific program information.

Students who are accepted, but who have not had the following courses BIO 2514 – Anatomy and Physiology I, BIO 2524 – Anatomy and Physiology II, BIO 2924 – Microbiology, FCS 1253/BIO 1613 – Nutrition, must take and successfully pass these courses with at least a grade of 'C' before beginning nursing classes.

Nursing students must meet the same general admission requirements as those required for all applicants to Holmes Community College. In addition, they must meet the requirement outlined below:

A student must have an ACT composite score of 15 if taken before October, 1989, or 18 if taken in October, 1989, or after. In order to apply to the Associate Degree Nursing program, the student must have a 2.0 overall grade point average.

The applicant must have an 18 or higher composite on the ACT with an 18 Reading sub-score; a 17 Math sub-score or have passed a 3-hour College Algebra or higher math course. For ACT scores before 10/28/89, please see the ACT Concordance Table under Academic Policies and Regulations in the HCC Bulletin. The number of students admitted is based on the number of nursing faculty. Standards for Accreditation of Schools of Nursing for the State of Mississippi require that total enrollment be limited to a maximum of fifteen students for each full-time or equivalent qualified nursing faculty member and that the student-faculty ratio in the clinical area be no more than ten to one. The selection of those to be admitted is done using the Weighted Scale ADN Admission Policy.

All applicants are ranked and are offered positions according to their score.

Weighted Scale ADN Admission Policy

Enrollment in the ADN Program is limited; therefore, the selection of applicants is done on a point system. Selection is academically competitive based on the following categories: ACT, plus college hours and college GPA from a regionally accredited school.

If two people have the same score, preference will be given according to their rating on the ACT or, these being equal, their GPA.

Notification of acceptance in the nursing program must come from the Associate Degree Nursing Program - not the Admissions Office.

An applicant must be in generally good health. Upon acceptance, satisfactory reports from a family physician will be required, as well as currently recommended immunizations, a drug screen, and TB skin test. Applicants must also be CPR certified, and pass a criminal background check.

A letter of acceptance to the nursing program will be sent to each applicant selected for each class via email. It is required that an applicant confirm his/her intention to attend nursing classes for the year designated. Failure to notify the Associate Degree Nursing Program within a designated period of time indicates that the applicant no longer wishes to enter the program.

In addition to regular college fees, an associate degree nursing student will incur expenses for such items as uniforms, textbooks, supplies, insurance, and the expense of travel to some clinical sites.

Those applicants with the highest scores will be accepted.

Progression Statement

The very nature of the profession of nursing requires that one be able to master the theoretical as well as the clinical components of the curriculum. In view of the fact that individuals providing nursing care may adversely affect the maintenance and quality of human life, the nursing faculty have established a progression policy. The progression policy is in each nursing syllabus and the nursing student handbook. A summary of the progression policy is as follows:

Students must successfully complete all required components as designated in each nursing course. The student may refer to each syllabus for details. Attendance at clinical is mandatory for progression.

Students must make a "B" or better in all required nursing courses and a "C" or better in all required science courses and nutrition. Nursing students must maintain an overall 2.0 GPA or above on all non-science, non-nursing courses to remain in the prescribed curriculum. A student making a "C" or below in one nursing course is automatically excluded from the Associate Degree Nursing Program and must apply for readmission to the Holmes Community College Associate Degree Nursing Program if he/she wishes to return.

Application - The application process is on-line through the Holmes Community College web site. Applications for the generic track for the fall and accelerated program for the LPN/Paramedic summer semesters are available on January 15. Applications for the spring semester track are available August 1. Applications are available for a limited time, usually thirty to forty-five days.

Prior Enrollment in Nursing Courses/ Readmission Limitations -Any student who has been previously enrolled in any nursing program must contact the Office of the Holmes Community College Associate Degree Nursing Program. Any student who has been withdrawn from, voluntarily withdrew from, or was unsuccessful in any nursing course has one opportunity for readmission. Any student with two (2) withdrawals or failures from any nursing course is not eligible for readmission.

LPN/Paramedic Readmissions - If an LPN/Paramedic in Option I or Option II is not successful in a nursing course, then he/she must apply for readmission to the program as a generic student.

Completion of the Program - Any student who failed a nursing course or who withdrew from a nursing course or was withdrawn from the nursing program may apply for readmission. The student must complete the course of study within 1 ½ times the length of the program as set forth through regulations by the Mississippi Institutions of Higher Learning.

Associate Degree Nursing Grading Scale

A	90-100
B	80-89
C	70-79
D	60-69
F	Below 59

Page 226 Revise Program Page as follows

**Health Science Programs Pathway
Massage Therapy Program**

First Year

Spring Semester

CPR and First Aid	MGT 1111
Intro to Massage Therapy	MGT 1214
Massage Therapy I	MGT 1224
Massage Therapy I Lab	MGT 1233
Massage Ther. Clin. Lab I	MGT 1281
Pathology & Med Term	MGT 1343
Massage Therapy A&P I	MGT 2514
Total	20 hrs.

Summer Term

Massage Therapy II	MGT 1244
Specialized Modalities I	MGT 1272
Total	6 hrs.

Fall Semester

Massage Therapy II Lab	MGT 1253
Massage Ther. Clin. Lab II	MGT 1263
Kinesiology	MGT 1333
Board Preparation	MGT 1612
Massage Therapy III	MGT 2223
Specialized Modalities II	MGT 2272
Massage Therapy A&P II	MGT 2524
Total	20 hrs.

A Technical Certificate may be earned at this point.

Second Year

Spring Semester

English Composition I	ENG 1113
English Composition II	ENG 1123
OR Public Speaking	ISPT/COM 1113
OR Social/Behavioral Science	3
College Algebra	MAT 1313
OR Natural Science w/Lab	4
Humanities/Fine Arts	3
Social/Behavioral Science	3
Total	15-16 hrs.

An AAS Degree may be earned at this point.

The **Massage Therapy Program** prepares the individual to provide massage therapy principles, ethics, and business application. The program would aim to prepare students to successfully complete the program, earn employment in their field of study, and attain applicable technical assessments. Upon successful completion of the program, graduates will be eligible to sit for the Massage and Bodywork Licensing Examination (MBLEx), administered by the Federation of State Massage Therapy Boards (FSMTB), accepted by the Mississippi State Board of Massage Therapy (MSBMT). Students must pass the MBLEx in order to be a Licensed Massage Therapist within the state of Mississippi, as well as successful completion of the Mississippi State Law Examination (MSLE), administered by the MSBMT.

Assistance with math and/or reading will be available on a co-curricular basis to certificate-seeking students who lack entry-level skills in math and/or reading.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Effective Summer 2022

Page 237 Add “Evening and Weekend Track” following “Hybrid Option”

Practical Nursing Program Evening and Weekend Track

First Year

First Semester		Second Semester
Body Structure and Function	PNV 1213	Nursing Fundamentals and Clinical PNV 1444
Total	3 hrs.	Total 14 hrs.
Third Semester		Fourth Semester
IV Therapy & Pharmacology	PNV 1524	Alterations in Adult Health Concepts & Clinical PNV 1676
Medical Surgical Nursing Concepts & Clinical	PNV 1666	
Total	10 hrs.	Total 6 hrs.
Fifth Semester		
Specialty Areas in Nursing	PNV 1728	
Nursing Transition	PNV 1914	
Total	12 hrs.	

A Career Certificate may be earned at this point.

Practical Nursing Program Full Time Day Track, Hybrid Option, and Evening and Weekend Track

The Practical Nursing program is designed to prepare qualified men and women to become, upon completion of the prescribed course of study and satisfactory writing of the National Council Licensure Examination PN (NCLEX-PN®), Licensed Practical Nurses. The introductory semester(s) offers instruction in orientation to nursing care of clients across the life-span, nursing care of selected clients, and body structure and function. The remaining semesters of training provide instruction and clinical experience for clients experiencing an alteration in health, the pediatric client, the maternal/newborn client, and the psychiatric client. Intensive preparation for the NCLEX-PN® and transitioning from student to employee is provided in the final semester. A certificate is awarded upon completion of the courses.

Practical Nursing Program Admission Policy

Admission requirements to be met **before** a student is considered for selection are (1 - 3 below):

1. The applicant must have a high school diploma or a GED certificate and provide official transcripts from all schools/colleges previously attended.
2. Applicants for the Full Time Day Track and the Evening and Weekend Track must have a minimum composite score of 12 on the ACT if taken prior to October 1989 or a minimum composite score of 16 if taken in October 1989 or after with a minimum composite score of 12 on the ACT reading & math subtests.
3. Applicants for the Hybrid Option must have a minimum composite score of 18 on the ACT if taken prior to October 1989 or a minimum composite score of 20 if taken in October 1989 or after with a minimum composite score of 12 on the ACT reading & math subtests.
4. Although college credit is not required for application to the program, applicants with any college credit must have a minimum cumulative GPA of 2.0 to be considered for selection.
5. After notification of acceptance, the student will be required to provide current certification of Healthcare Provider CPR and to pass a physical examination, a Healthcare Criminal Background Check, and a drug screening prior to entering the program.

LPN Preparation: For those students who fail to be admitted or who wish to enhance their chances of being admitted, the following sample year curriculum as a General College Studies major shows those classes (marked with *asterisk) which offer points in the Practical Nursing selection process if completed with a grade of B or higher.

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II ENG 1123
College Algebra	MAT 1313	*Nutrition BIO 1613
*Anatomy & Physiology I	BIO 2514	*Anatomy & Physiology II BIO 2524
Enhancement of Study	LLS 1413	*Human Growth & Dev EPY/PSY 2533
*Medical Terminology I	BOT 1613	*Medical Terminology II BOT 1623
Total	16 hrs.	Total 16 hrs.

Page 388 Revise the following Practical Nursing Course

PNV 1213 – Body Structure and Function.

This course is a study of body structure and function including each system of the body. Three hours lecture. Three hours credit.

Page 389 Add the following Practical Nursing Courses

PNV 1666 – Medical Surgical Nursing Concepts & Clinical.

This course provides the student with the basic nursing theory and skills to provide safe and effective care for the adult client experiencing acute, chronic, or life-threatening physical health conditions in selected body systems. Pharmacological and nutritional therapy considerations for various disorders are included. The systems not covered in this course are taught in Alterations in Adult Health Concepts and Clinical (PNV 1676). This course also includes clinical experiences for application of nursing theory and skills for safe and effective care of the adult client experiencing acute, chronic, or life-threatening physical health conditions in all body systems. Four hours lecture. Six hours clinical. Six hours credit.

PNV 1676 – Alterations in Adult Health Concepts & Clinical.

This course provides the student with the basic nursing theory and skills to provide safe and effective care for the adult client experiencing acute, chronic, or life-threatening physical health conditions in selected body systems. Pharmacological and nutritional therapy considerations for various disorders are included. The systems not covered in this course are taught in Medical/Surgical Nursing Concepts and Clinical (PNV 1666). This course also includes clinical experiences for application of nursing theory and skills for safe and effective care of the adult client experiencing acute, chronic, or life-threatening physical health conditions in all body systems. Four hours lecture. Six hours clinical. Six hours credit.

Page 39 Add Courses CHE 1214, 1224 under Natural Science with Lab

Natural Science with Lab

BIO 1114, 1124	Principles of Biology I & II
BIO 1134, 1144	General Biology I & II
BIO 2414, 2424	Zoology I & II
BIO 2514, 2524	Anatomy & Physiology I & II
BIO 2924	Microbiology
CHE 1114	Chemistry Survey
CHE 1213/1211	General Chemistry I & Lab
CHE 1214, 1224	General Chemistry I & II
CHE 1223/1221	General Chemistry II & Lab
CHE 2424, 2434	Organic Chemistry I & II
PHY 1114	Introduction to Astronomy
PHY 2244, 2254	Physical Science Survey I & II
PHY 2414, 2424	General Physics I & II
PHY 2514, 2524	General Physics I-A & II-A

Page 109 Revise #4 under the section “Requirements for Performance Scholarships”

Requirements for Performance Scholarships

1. Students must meet all admission requirements.
2. Students are strongly encouraged to complete the FAFSA application.
3. The scholarship will not cover the matriculation fee or the student activities fee.
4. Students must maintain a minimum of 15 hours per semester and a minimum cumulative GPA of 2.0.
5. If the student withdraws or drops below the required semester hours and/or GPA requirement, the scholarship will be voided for the following semester, excluding summer terms.
6. If the student is dismissed from the performance activity, the scholarship may be voided and the tuition will be charged for the current semester.
7. Transfer students must have a minimum cumulative GPA of 2.0 and meet all of the other requirements for performance scholarships.
8. The scholarship will not exceed the published cost of attending Holmes as a Mississippi resident.
9. The scholarship will be for a maximum of 93 attempted hours on all college work or 6 semesters at Holmes, whichever occurs first.

Education Pathway
Secondary Education Pathway
Biology/Science

To be admitted into a teacher education program that leads to a baccalaureate degree, students will either have to pass the Praxis Core Academic Skills for Educators (CORE) – (formerly Praxis I) examination prior to transferring (if required) OR have scored at least a 21 composite ACT equivalent (consult chosen transfer college for specifics).

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
College Algebra	MAT 1313	Trigonometry
General Chemistry I	CHE 1214	General Chemistry II
General Biology I	BIO 1134	General Biology II
		Public Speaking I SPT/COM 1113
Total	***14 Hours	Total 17 hrs.

Second Year

First Semester		Second Semester
General Physics I	PHY 2414	Microbiology
General Psychology	PSY 1513	*Social/Behavioral Science 3
Pers & Comm Health	HPR 1213	**Fine Arts Elective 3
*History Elective	3	*Elective 3
*Literature Elective	3	*Elective 3
Total	16 hrs.	Total 16 hrs.

*Consult with your chosen transfer university/college to determine changes to this curriculum.

**ART 1113 or MUS 1113

***Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Education Pathway
Secondary Education Pathway
Chemistry/Physical Science

To be admitted into a teacher education program that leads to a baccalaureate degree, students will either have to pass the Praxis Core Academic Skills for Educators (CORE) – (formerly Praxis I) examination prior to transferring (if required) OR have scored at least a 21 composite ACT equivalent (consult chosen transfer college for specifics).

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II ENG 1123
Trigonometry	MAT 1323	Public Speaking I SPT/COM 1113
General Chemistry I	CHE 1214	General Chemistry II CHE 1224
Calculus I	MAT 1613	Fine Arts Elective 3
*Elective	3	*Elective 3
Total	16 hrs.	Total 16 hrs.

Second Year

First Semester		Second Semester
Organic Chemistry I	CHE 2424	Organic Chemistry II CHE 2434
General Physics I	PHY 2414	General Physics II PHY 2424
Social/Behavioral Science	3	Social/Behavioral Science 3
Literature Elective	3	History Elective 3
*Elective	3	
Total	17 hrs.	Total **14 hrs.

*Consult with your chosen transfer university/college to determine changes to this curriculum.

**Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Education Pathway
Secondary Education Pathway
Mathematics

To be admitted into a teacher education program that leads to a baccalaureate degree, students will either have to pass the Praxis Core Academic Skills for Educators (CORE) – (formerly Praxis I) examination prior to transferring (if required) OR have scored at least a 21 composite ACT equivalent (consult chosen transfer college for specifics).

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
*Trigonometry	MAT 1323	*Calculus II
*Calculus I	MAT 1613	Computer Program I
**Natural Science w/Lab	4	**Natural Science w/Lab
***History or Literature Elective	3	***History or Literature Elective
Total	16 hrs.	Total
		16 hrs.

Second Year

First Semester		Second Semester
Calculus III	MAT 2613	Calculus IV
General Psychology	PSY 1513	Intro to Sociology
General Physics I-A	PHY 2514	General Physics II-A
***Intro to Linear Algebra	MAT 2113	Differential Equations
Public Speaking I	SPT/COM 1113	***Fine Arts Elective
Total	16 hrs.	Total
		16 hrs.

***Consult with your chosen transfer university/college to determine changes to this curriculum.

*Students are strongly advised to take MAT 1323 Trigonometry prior to enrolling in the calculus sequence or prior to enrolling in MAT 1623 Calculus II.

**BIO 1134 & BIO 1144 or CHE 1214 & CHE 1224

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Education Pathway
Secondary Education Pathway
Physics

To be admitted into a teacher education program that leads to a baccalaureate degree, students will either have to pass the Praxis Core Academic Skills for Educators (CORE) – (formerly Praxis I) examination prior to transferring (if required) OR have scored at least a 21 composite ACT equivalent (consult chosen transfer college for specifics).

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
Calculus I	MAT 1613	Calculus II
General Chemistry I	CHE 1214	General Chemistry II
*Elective	3	Public Speaking I
Fine Arts Elective	3	SPT/COM 1113
Total	16 hrs.	Total
		16 hrs.

Second Year

First Semester		Second Semester
General Physics I-A	PHY 2514	General Physics II-A
General Psychology	PSY 1513	Social/Behavioral Science
Literature Elective	3	History Elective
*Elective	3	*Elective
*Elective	3	*Elective
Total	16 hrs.	Total
		16 hrs.

*Consult with your chosen transfer university/college to determine changes to this curriculum.

Some students may need to take MAT 1313 College Algebra and MAT 1323 Trigonometry (if placement score requires) prior to enrolling in MAT 1613 Calculus I. These students are advised to take these courses in the summer before their freshmen year in order to complete the Calculus sequence before transferring.

*Choose from the following Electives: MAT 2613-Calculus III, MAT 2623- Calculus IV, PHY 1114-Astronomy, MAT 2113-Introduction to Linear Algebra, EGR 2413- Engineering Mechanics I, Biology Elective for Majors, History Elective.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Health Sciences Pathway
Biological Science

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
College Algebra	MAT 1313	Trigonometry
General Biology I	BIO 1134	General Biology II
General Chemistry I	CHE 1214	General Chemistry II
History Elective (Continuous)	3	History Elective (Continuous) 3
Total	17 hrs.	Total 17 hrs.

Second Year

First Semester		Second Semester
Organic Chemistry I	CHE 2424	Organic Chemistry II
Public Speaking I	SPT/COM 1113	***Fine Arts Elective 3
Literature Elective	3	Literature Elective 3
**Social/Behavioral Science	3	**Social/Behavioral Science 3
Calculus I	MAT 1613	
Total	16 hrs.	Total ****13 hrs.

*Consult with your chosen transfer university/college to determine changes to this curriculum.

**Choose from the following Social/Behavioral Science Electives:

ECO 2113 - Principles of Macroeconomics

ECO 2123 - Principles of Microeconomics

PSC 1113 - American National Government

PSC 2113 - Comparative Government

PSY 1513 - General Psychology

SOC 2113 - Introduction to Sociology

SOC 2213 - Introduction to Anthropology

***ART 1113, MUS 1113, or SPT 2233

****Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Health Sciences Pathway
Dentistry Pathway
Pre-Dental

Dental Schools may require a baccalaureate degree for admission but no prescribed course of study is stipulated. The curriculum below is a suggested guide which leads to an Associate of Arts Degree, but it does not lead to a four-year degree in dentistry. Students should consult their chosen transfer university to select a four-year degree. Additionally, UMMC is the sole Mississippi provider for a professional degree in dentistry.

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
College Algebra	MAT 1313	Trigonometry
General Chemistry I	CHE 1214	General Chemistry II
General Biology I	BIO 1134	General Biology II
Fine Arts Elective	3	Public Speaking I
		SPT/COM 1113
Total	17 hrs.	Total
		17 hrs.

Second Year

First Semester		Second Semester
General Psychology	PSY 1513	Statistics
Organic Chemistry I	CHE 2424	Organic Chemistry II
General Physics I	PHY 2414	General Physics II
Humanities Elective	3	Humanities Elective
		Social/Behavioral Science
		3
Total	*14 hrs.	Total
		17 hrs.

Consult with your chosen transfer university/college to determine changes to this curriculum.

Students should consult The University of Mississippi Medical Center's bulletin to determine courses considered end point before attempting online classes.

*Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Health Sciences Pathway
Dentistry Pathway
Pre-Dental Hygiene

This curriculum is designed to meet the admission requirements of the School of Health Related Professions at the University of Mississippi Medical Center. All programs at the Medical Center are upper division. Students must complete all admission requirements before transferring. Students should consult the most recent Medical Center catalog when planning their schedule. All programs at the Medical Center have a limited class size with competitive admissions. Students should start the application process early in their sophomore year. The curriculum below leads to an Associate of Arts Degree.

First Year

First Semester	Second Semester
English Composition I ENG 1113	English Composition II ENG 1123
College Algebra MAT 1313	General Psychology PSY 1513
Public Speaking I SPT/COM 1113	Med Term for Health Prof BIO 1813
General Biology I BIO 1134	Nutrition BIO 1613
General Chemistry I CHE 1214	General Chemistry II CHE 1224
Total	17 hrs.
	Total
	16 hrs.

Second Year

First Semester	Second Semester
Anatomy & Physiology I BIO 2514	Anatomy & Physiology II BIO 2524
Intro to Sociology SOC 2113	Microbiology BIO 2924
Humanities Elective 3	Humanities Elective 3
Fine Arts Elective 3	Child Psychology EPY/PSY 2513
Elective 3	OR Adol Psychology EPY/PSY 2523
	OR Hum Grwth/Dev EPY/PSY 2533
Total	16 hrs.
	Total
	*14 hrs.

Consult with your chosen transfer university/college to determine changes to this curriculum.

Students must have a minimum of 57 transferable hours with a minimum 2.5 GPA on a 4.0 scale. A minimum grade of C is required on each course to be transferred. Students must also complete 8 hours of observation of a licensed or registered dental hygienist in a clinical environment.

*Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Page 175 Revise Program Page as follows

Health Sciences Pathway
Health-Related Pathway
Health Informatics & Information Management

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II ENG 1123
College Algebra	MAT 1313	Public Speaking I SPT/COM 1113
Introduction to Business	BAD 1113	Business Statistics BAD 2323
Fine Arts Elective	3	Comp App in Bus & Ind BAD 2533
*Natural Science w/Lab	4	*Natural Science w/Lab 4
Total	16 hrs.	Total 16 hrs.

Second Year

First Semester		Second Semester
Anatomy & Physiology I	BIO 2514	Anatomy & Physiology II BIO 2524
Princ of Accounting I	ACC 2213	Princ of Accounting II ACC 2223
Computer Concepts	CSC 1113	Bus Communications BAD 2813
Social/Behavioral Science	3	Social/Behavioral Science 3
Humanities Elective	3	Humanities Elective 3
Total	16 hrs.	Total 16 hrs.

Consult with your chosen transfer university/college to determine changes to this curriculum.

*Choose from the following Natural Science Electives:

BIO 1134 General Biology I

BIO 1813 Medical Terminology for Health Professions

CHE 1114 Chemistry Survey

CHE 1214 General Chemistry I

PHY 1114 Introduction to Astronomy

PHY 2244 Physical Science Survey I

PHY 2254 Physical Science Survey II

UMMC Requirements:

Have completed a minimum of 60 semester hours of academic credit (exclusive of physical activity, military science, dogmatic religion, and vocational courses) from a regionally accredited institution of higher learning.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Health Sciences Pathway
Health-Related Pathway
Health Sciences

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
College Algebra	MAT 1313	Trigonometry
Princ of Macroeconomics	ECO 2113	Public Speaking I
General Biology I	BIO 1134	SPT/COM 1113
General Chemistry I	CHE 1214	Med Term for Health Prof
		BIO 1813
		General Chemistry II
		CHE 1224
Total	17 hrs.	Total
		16 hrs.

Second Year

First Semester		Second Semester
Anatomy & Physiology I	BIO 2514	Anatomy & Physiology II
*Natural Science w/Lab	4	BIO 2524
**Social/Behavioral Science	3	Microbiology
Humanities Elective	3	**Social/Behavioral Science
		3
		Humanities Elective
		3
		Fine Arts Elective
		3
Total	***14 hrs.	Total
		17 hrs.

Consult with your chosen transfer university/college to determine changes to this curriculum.

*Natural Sciences Electives: BIO 1144, BIO 2414, PHY 2244, PHY 2254, PHY 2414

**Students planning to apply to Health-Related Programs (i.e., OTA, PTA, PN, Massage Therapy, or Surgical Technology) should review the admission requirements and application process for that specific program. These Health-Related Programs recommend taking PSY 1513 General Psychology and PSY/EPY 2533 Human Growth and Development for the Social/Behavioral Science electives.

***Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Health Sciences Pathway
Health-Related Pathway
Pre-Medical Laboratory Science

This curriculum is designed to meet the admission requirements of the School of Health Related Professions at the University of Mississippi Medical Center. All programs at the Medical Center are upper division. Students must complete all admission requirements before transferring. Students should consult the most recent Medical Center catalog when planning their schedule. Students must have a minimum of 60 transferable hours with a minimum 2.5 GPA on a 4.0 scale. A minimum grade of C is required on each course to be transferred. The curriculum below leads to an Associate of Arts Degree.

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II ENG 1123
College Algebra	MAT 1313	Public Speaking I SPT/COM 1113
General Biology I	BIO 1134	General Biology II BIO 1144
General Chemistry I	CHE 1214	General Chemistry II CHE 1224
		Elective 1
Total	*14 hrs.	Total 15 hrs.

Second Year

First Semester		Second Semester
Anatomy & Physiology I	BIO 2514	Anatomy & Physiology II BIO 2524
Trigonometry	MAT 1323	Microbiology BIO 2924
Organic Chemistry I	CHE 2424	Fine Arts Elective 3
Social/Behavioral Science	3	Social/Behavioral Science 3
Humanities Elective	3	Humanities Elective 3
Total	17 hrs.	Total 17 hrs.

Consult with your chosen transfer university/college to determine changes to this curriculum.

All programs at the Medical Center have a limited class size with competitive admissions. Students should start the application process early in their sophomore year.

*Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Health Sciences Pathway
Health-Related Pathway
Pre-Occupational Therapy

This curriculum is designed to meet the admission requirements of the School of Health-Related Professions at the University of Mississippi Medical Center. All programs at the Medical Center are upper division. Students should consult the most recent UMMC Bulletin when planning their schedule. Students applying for the Doctorate of Occupational Therapy must have a bachelor's degree with a minimum average of 3.0 on a 4.0 scale for the prerequisite courses; each pre-requisite course must be completed with a grade of "C" or better. The student must provide evidence of 24 hours of observation under an occupational therapist or an occupational therapy assistant in at least three occupational therapy clinical departments or practices within the two calendar years preceding the application deadline.

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
College Algebra	MAT 1313	Trigonometry
General Psychology	PSY 1513	Med Term for Health Prof
General Biology I	BIO 1134	General Biology II
General Chemistry I	CHE 1214	General Chemistry II
Total	17 hrs.	Total
		17 hrs.

Second Year

First Semester		Second Semester
Anatomy & Physiology I	BIO 2514	Anatomy & Physiology II
Public Speaking I	SPT/COM 1113	BIO 2524
General Physics I	PHY 2414	Statistics
Humanities Elective	3	MAT 2323
		Human Growth & Dev
		EPY/PSY 2533
		Humanities Elective
		3
		Fine Arts Elective
		3
Total	*14 hrs.	Total
		16 hrs.

Consult with your chosen transfer university/college to determine changes to this curriculum.

All programs at the University Medical Center have a limited class size with competitive admissions.

*Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Health Sciences Pathway
Health-Related Pathway
Pre-Physical Therapy

This curriculum is designed to meet the admission requirements of the School of Health-Related Professions at the University of Mississippi Medical Center. All programs at the Medical Center are upper division. Students must complete all admission requirements before transferring. Students must have a minimum 3.0 GPA on a 4.0 scale. A minimum grade of C is required on each course accepted for transfer. The curriculum below leads to an Associate of Arts Degree.

Students applying for the Doctor of Physical Therapy must have a bachelor's degree and evidence of 40 hours of observation in at least two physical therapy clinical departments or practices. Students must also take the GRE before applying to the program. Students must also complete an autobiographical essay and a resume to apply to the program.

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
College Algebra	MAT 1313	Trigonometry
General Biology I	BIO 1134	General Biology II
General Chemistry I	CHE 1214	General Chemistry II
Total	*14 hrs.	Total
		*14 hrs.

Second Year

First Semester		Second Semester
Anatomy & Physiology I	BIO 2514	Anatomy & Physiology II
General Physics I	PHY 2414	General Physics II
Public Speaking I	SPT/COM 1113	Fine Arts Elective
Social/Behavioral Science	3	Social/Behavioral Science
Humanities Elective	3	Humanities Elective
Total	17 hrs.	Total
		17 hrs.

Consult with your chosen transfer university/college to determine changes to this curriculum.

All programs at the University Medical Center have a limited class size with competitive admissions.

*Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Health Sciences Pathway
Health-Related Pathway
Pre-Physician Associate/Assistant Studies

This curriculum is designed to meet the admission requirements of the Department of Physician Assistant Studies at Mississippi College and the Master of Physician Assistant Studies Program at Mississippi State University-Meridian. Students must have a minimum 3.0 cumulative GPA as well as a 3.0 science GPA on a 4.0 scale for both programs. In addition, a minimum grade of C is required on each pre-requisite course accepted for transfer, and each pre-requisite course must be taken within 10 years of matriculation at the University or College. Mississippi College will not accept online or hybrid courses for pre-requisite courses (except for statistics). The curriculum below leads to an Associate of Arts Degree.

Students applying for either program must have a bachelor's degree, take the GRE, and have evidence of clinical experience. At least 80 hours of healthcare experience and 20 hours of shadowing experience with a medical doctor or physician assistant are required for the Master of Physician Assistant studies Program at Mississippi State University-Meridian. For this program, students must also complete CPR Certification (American Heart Association) or higher.

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II ENG 1123
General Biology I	BIO 1134	Microbiology BIO 2924
General Chemistry I	CHE 1214	General Chemistry II CHE 1224
College Algebra	MAT 1313	Fine Arts Elective 3
Total	*14 hrs.	Total *14 hrs.

Second Year

First Semester		Second Semester
Anatomy & Physiology I	BIO 2514	Anatomy & Physiology IIBIO 2524
Public Speaking I	SPT/COM 1113	Statistics MAT 2323
General Psychology	PSY 1513	Intro to Sociology SOC 2113
Organic Chemistry I	CHE 2424	Organic Chemistry II CHE 2434
Humanities Elective	3	Humanities Elective 3
Total	17 hrs.	Total 17 hrs.

Consult with your chosen transfer university/college to determine changes to this curriculum.

Both programs at Mississippi College and Mississippi State University-Meridian have a limited class size with competitive admissions.

*Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Page 181 Revise Program Page as follows

Health Sciences Pathway
Health-Related Pathway
Pre-Radiologic Sciences

This curriculum is designed to meet the admission requirements of the School of Health-Related Professions at the University of Mississippi Medical Center. All programs at the Medical Center are upper division. Students must complete all admission requirements before transferring. Students must have a minimum of 60 hours of transfer credit with a minimum 2.0 GPA on a 4.0 scale. A minimum grade of C is required on each course accepted for transfer. The curriculum below leads to an Associate of Arts Degree.

See the University of Mississippi Medical Center website for additional requirements for admission to the B.S. Degree Program of Radiologic Sciences.

First Year

First Semester	Second Semester
English Composition I ENG 1113	English Composition II ENG 1123
College Algebra MAT 1313	Trigonometry MAT 1323
General Biology I BIO 1134	Computer Applications I CSC 1123
Public Speaking I SPT/COM 1113	Med Term for Health Prof BIO 1813
General Chemistry I CHE 1214	General Chemistry II CHE 1224
Total 17 hrs.	Total 16 hrs.

Second Year

First Semester	Second Semester
Anatomy & Physiology I BIO 2514	Anatomy & Physiology II BIO 2524
General Physics I PHY 2414	First Aid & CPR HPR 2213
Social/Behavioral Elective 3	Social/Behavioral Elective 3
Humanities Elective 3	Humanities Elective 3
Fine Arts Elective 3	
Total 17 hrs.	Total *13 hrs.

Consult with your chosen transfer university/college to determine changes to this curriculum.

All programs at the University Medical Center have a limited class size with competitive admissions. Students should start the application process early in their sophomore year.

*Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

After Page 181 Replace CHE 1213/1211 with CHE 1214

Health Sciences Pathway
Health-Related Pathway
Pre-Speech Pathology/Communicative Sciences

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
College Algebra	MAT 1313	Statistics
General Biology I	BIO 1134	General Biology II
General Psychology	PSY 1513	Public Speaking I
*Foreign Language (Continuous)	3	*Foreign Language (Continuous) 3
Total	16 hrs.	Total
		16 hrs.

Second Year

First Semester		Second Semester
Anatomy & Physiology I	BIO 2514	Anatomy & Physiology II BIO 2524
Introduction to Sociology	SOC 2113	**Natural Science w/Lab 4
History Elective (Continuous)	3	History Elective (Continuous) 3
Literature Elective	3	Humanities Elective 3
*Foreign Language (Continuous)	3	Fine Arts Elective 3
Total	16 hrs.	Total
		17 hrs.

Consult with your chosen transfer university/college to determine changes to this curriculum.

*Foreign Language: 6 – 12 hours are required for B.A.

**Natural Science Electives: CHE 1214, PHY 2244, PHY 2254, PHY 2414

*Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Page 182 Replace CHE 1213/1211 with CHE 1214 and CHE 1223/1221 with CHE 1224

Health Sciences Pathway
Medicine Pathway
Pre-Medical

Medical schools may require a baccalaureate degree for admission but no prescribed course of study is stipulated. The curriculum below is a suggested guide which leads to an Associate of Arts Degree, but it does not lead to a four-year degree in medicine. Students should consult their chosen transfer university to select a four-year degree. Additionally, UMMC is the sole Mississippi provider for a professional degree in medicine.

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II ENG 1123
College Algebra	MAT 1313	Trigonometry MAT 1323
General Biology I	BIO 1134	General Biology II BIO 1144
General Chemistry I	CHE 1214	General Chemistry II CHE 1224
Fine Arts Elective	3	Public Speaking I SPT/COM 1113
Total	17 hrs.	Total 17 hrs.

Second Year

First Semester		Second Semester
Organic Chemistry I	CHE 2424	Organic Chemistry II CHE 2434
General Physics I	PHY 2414	General Physics II PHY 2424
Social/Behavioral Science	3	Social/Behavioral Science 3
Humanities Elective	3	Humanities Elective 3
Total	*14 hrs.	Total *14 hrs.

Consult with your chosen transfer university/college to determine changes to this curriculum.

Students should consult The University of Mississippi Medical Center's bulletin to determine courses considered end point before attempting online classes.

*Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Health Sciences Pathway
Medicine Pathway
Pre-Nursing (B.S.)

The curriculum below is a suggested guide for meeting possible prerequisites for admission into a Bachelor of Science degree in Nursing program. Students should consult their chosen transfer university. The curriculum below leads to an Associate of Arts Degree.

First Year

First Semester	Second Semester
English Composition I	ENG 1113 English Composition II ENG 1123
College Algebra	MAT 1313 Public Speaking I SPT/COM 1113
General Psychology	PSY 1513 Human Growth & Dev EPY/PSY 2533
General Biology I	BIO 1134 Microbiology BIO 2924
General Chemistry I	CHE 1214 Nutrition BIO 1613
Total	Total 16 hrs.

Second Year

First Semester	Second Semester
Anatomy & Physiology I	BIO 2514 Anatomy & Physiology II BIO 2524
Computer Applications I	CSC 1123 Business Statistics BAD 2323
OR Comp App/Bus	BAD 2533 OR Statistics MAT 2323
Intro to Sociology	SOC 2113 Marriage & Family SOC 2143
Fine Arts Elective	3 Literature Elective 3
History Elective (Continuous)	3 History Elective (Continuous) 3
Total	Total 16 hrs.

Consult with your chosen transfer university/college to determine changes to this curriculum.

An ACT Composite Score of 16 or higher is required for this program of study.

Students must complete all admission requirements before transferring. All Schools of Nursing in the state of Mississippi have limited class sizes with competitive admission requirements. Students should start the application process early in their sophomore year.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Page 184 Revise Program Page as follows

Health Sciences Pathway
Pharmacy Pathway
Pre-Pharmacy

The curriculum below is a suggested guide for meeting possible prerequisites for admission into the Doctor of Pharmacy degree offered at the University of Mississippi. The curriculum below leads to an Associate of Arts Degree.

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
General Biology I	BIO 1134	General Biology II
General Chemistry I	CHE 1214	General Chemistry II
Calculus I	MAT 1613	Princ of Microeconomics
Fine Arts Elective	3	ECO 2123 Social/Behavioral Science
Total	17 hrs.	Total
		17 hrs.

Second Year

First Semester		Second Semester
Organic Chemistry I	CHE 2424	Organic Chemistry II
Public Speaking I	SPT/COM 1113	Statistics
Anatomy & Physiology I	BIO 2514	Anatomy & Physiology II
Humanities Elective	3	Humanities Elective
General Physics I	PHY 2414	Social/Behavioral Science
OR General Physics I-A	PHY 2514	3
Total	18 hrs.	Total
		17 hrs.

Consult with your chosen transfer university/college to determine changes to this curriculum.

Some students may need to take MAT 1313 College Algebra and MAT 1323 Trigonometry (if placement score requires) prior to enrolling in MAT 1613 Calculus I. These students are advised to take these courses in the summer before their freshmen year in order to complete the Calculus sequence before transferring.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Health Sciences Pathway
Veterinary Pathway
Pre-Veterinary

The curriculum below is a suggested guide for meeting possible prerequisites for admission into the Doctor of Veterinary Medicine degree offered at Mississippi State University. The curriculum below leads to an Associate of Arts Degree.

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
College Algebra	MAT 1313	Trigonometry
General Biology I	BIO 1134	General Biology II
General Chemistry I	CHE 1214	General Chemistry II
Princ of Macroeconomics	ECO 2113	CHE 1224 Social/Behavioral Science 3
Total	17 hrs.	Total 17 hrs.

Second Year

First Semester		Second Semester
Public Speaking I	SPT/COM 1113	Microbiology
Organic Chemistry I	CHE 2424	Organic Chemistry II
General Physics I	PHY 2414	General Physics II
Statistics	MAT 2323	Fine Arts Elective 3
Humanities Elective	3	Humanities Elective 3
Total	17 hrs.	Total 18 hrs.

Consult with your chosen transfer university/college to determine changes to this curriculum.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Page 186 Revise Program Page as follows

Health Sciences Pathway
Veterinary Pathway
Pre-Veterinary Medical Technology

The curriculum below is a suggested guide for meeting possible prerequisites for admission into the Veterinary Medical Technology program at Mississippi State University. The curriculum below leads to an Associate of Arts Degree.

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
College Algebra	MAT 1313	Trigonometry
General Biology I	BIO 1134	General Biology II
Fine Arts Elective	3	Med Term for Health Prof
Social/Behavioral Science	3	Social/Behavioral Science
Total	16 hrs.	Total
		16 hrs.

Second Year

First Semester		Second Semester
Statistics	MAT 2323	Microbiology
General Chemistry I	CHE 1214	General Chemistry II
Public Speaking I	SPT/COM 1113	Humanities Elective
Animal Science	AGR 1214	*Elective
Humanities Elective	3	3
Total	17 hrs.	Total
		**14 hrs.

*Consult with your chosen transfer university/college to determine changes to this curriculum.

**Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Kinesiology Pathway
Exercise Science/Kinesiology

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II ENG 1123
College Algebra	MAT 1313	Public Speaking I SPT/COM 1113
*General Biology I	BIO 1134	*General Biology II BIO 1144
Pers & Comm Health	HPR 1213	General Chemistry I CHE 1214
General Psychology	PSY 1513	
Total	16 hrs.	Total ***14 hrs.

Second Year

First Semester		Second Semester
Anatomy & Physiology I	BIO 2514	Anatomy & Physiology II BIO 2524
Intro to Sociology	SOC 2113	Statistics MAT 2323
First Aid & CPR	HPR 2213	**Fine Arts Elective 3
*History Elective	3	*History Elective 3
*Elective	3	*Literature Elective 3
Total	16 hrs.	Total 16 hrs.

*Consult with your chosen transfer university/college to determine changes to this curriculum.

**ART 1113, MUS 1113, or SPT 2233

***Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Kinesiology Pathway
Pre-Athletic Training

The curriculum below is a suggested guide for meeting possible prerequisites for admission into the Master of Science in Athletic Training (MSAT) program. The program requires a baccalaureate degree for admission but no prescribed course of study is stipulated. Students should consult their chosen transfer university. The curriculum below leads to an Associate of Arts Degree.

First Year

First Semester			Second Semester
English Composition I	ENG 1113	English Composition II	ENG 1123
College Algebra	MAT 1313	Trigonometry	MAT 1323
General Psychology	PSY 1513	Public Speaking I	SPT/COM 1113
General Biology I	BIO 1134	General Biology II	BIO 1144
General Chemistry I	CHE 1214	Nutrition	BIO 1613
Total	17 hrs.	Total	16 hrs.

Second Year

First Semester			Second Semester
Anatomy & Physiology I	BIO 2514	Anatomy & Physiology II	BIO 2524
General Physics I	PHY 2414	Prev&Care Ath Injuries	HPR 2723
First Aid & CPR	HPR 2213	*Social/Behavioral Science	3
*History Elective	3	*Fine Arts Elective	3
		*Humanities Elective	3
Total	**14 hrs.	Total	16 hrs.

*Consult with your chosen transfer university/college to determine changes to this curriculum.

**Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Public Safety/Social & Behavioral Science Pathway
Public Safety Pathway
Forensic Science
(Criminal Justice Emphasis)

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
Trigonometry	MAT 1323	Calculus I
*General Biology I	BIO 1134	*General Biology II
General Chemistry I	CHE 1214	General Chemistry II
Public Speaking	SPT/COM 1113	CHE 1224
		*CRJ Elective
		3
Total	17 hrs.	Total
		17 hrs.

Second Year

First Semester		Second Semester
Intro to Sociology	SOC 2113	American National Gov't PSC 1113
General Physics I	PHY 2414	General Physics II
OR Gen Physics I-A	PHY 2514	OR Gen Physics II-A
*Organic Chemistry I	CHE 2424	**Fine Arts Elective
History Elective (Continuous)	3	History Elective (Continuous)
Literature Elective	3	Literature Elective
		3
Total	17 hrs.	Total
		16 hrs.

*Consult with your chosen transfer university/college to determine changes to this curriculum.

**ART 1113, MUS 1113, or SPT 2233

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Science, Technology, Engineering, & Mathematics (STEM) Pathway
Engineering Pathway
Chemical/Biological/Petroleum Engineering

First Year

First Semester	Second Semester
English Composition I	ENG 1113
*Calculus I	MAT 1613
General Chemistry I	CHE 1214
Fine Arts Elective	3
**Humanities Elective	3
Total	16 hrs.
	Total
	16 hrs.

Second Year

First Semester	Second Semester
Calculus III	MAT 2613
Engineer Mechanics I	EGR 2413
General Physics I-A	PHY 2514
Organic Chemistry	CHE 2424
***Elective	3/4
**Humanities Elective	3
Total	20/21 hrs.
	Total
	16/17 hrs.

**Consult with your chosen transfer university/college to determine changes to this curriculum.

*Students are strongly advised to take MAT 1323 Trigonometry prior to enrolling in the calculus sequence or prior to enrolling in MAT 1623 Calculus II.

***Suggested Elective Courses:

BIO 1134 - General Biology I
 CHE 2434 - Organic Chemistry II
 EGR 2433 - Engineering Mechanics II
 MAT 2113 - Introduction to Linear Algebra

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Science, Technology, Engineering, & Mathematics (STEM) Pathway
Engineering Pathway
Civil/Mechanical/Aerospace Engineering

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
*Calculus I	MAT 1613	*Calculus II
General Chemistry I	CHE 1214	General Chemistry II
Fine Arts Electives	3	Public Speaking I SPT/COM 1113
**Humanities Elective	3	**Humanities Elective
Total	16 hrs.	Total
		16 hrs.

Second Year

First Semester		Second Semester
Calculus III	MAT 2613	Calculus IV
General Physics I-A	PHY 2514	General Physics II-A
Engineer Mechanics I	EGR 2413	Engineer Mechanics II
***Elective	3	Differential Equations
Social/Behavioral Science	3	Social/Behavioral Science
Total	16 hrs.	Total
		16 hrs.

**Consult with your chosen transfer university/college to determine changes to this curriculum.

*Students are strongly advised to take MAT 1323 Trigonometry prior to enrolling in the calculus sequence or prior to enrolling in MAT 1623 Calculus II.

***Suggested Elective Courses:

GRA 1143 - Graphic Communications

MAT 2113 - Introduction to Linear Algebra

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Science, Technology, Engineering, & Mathematics (STEM) Pathway
Engineering Pathway
Electrical/Computer/Software Engineering

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
*Calculus I	MAT 1613	*Calculus II
Computer Program I	CSC 1613	Computer Program II
General Chemistry I	CHE 1214	Public Speaking I SPT/COM 1113
Fine Arts Elective	3	**Humanities Elective
Total	16 hrs.	Total
		15 hrs.

Second Year

First Semester		Second Semester
Calculus III	MAT 2613	Calculus IV
General Physics I-A	PHY 2514	General Physics II-A
Engineer Mechanics I	EGR 2413	Differential Equations
Social/Behavioral Science	3	Social/Behavioral Science
***Elective	3/4	**Humanities Elective
Total	16/17 hrs.	Total
		16 hrs.

**Consult with your chosen transfer university/college to determine changes to this curriculum.

*Students are strongly advised to take MAT 1323 Trigonometry prior to enrolling in the calculus sequence or prior to enrolling in MAT 1623 Calculus II.

***Suggested Elective Courses:
CHE 1224 - General Chemistry II
EGR 2433 - Engineering Mechanics II
MAT 2113 - Introduction to Linear Algebra

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Science, Technology, Engineering, & Mathematics (STEM) Pathway
Science, Technology, and Mathematics Pathway
Agricultural Sciences

First Year

First Semester	Second Semester		
English Composition I	ENG 1113	English Composition II	ENG 1123
College Algebra	MAT 1313	Public Speaking I	SPT/COM 1113
General Biology I	BIO 1134	General Biology II	BIO 1144
Plant Science	AGR 1313	*Mathematics Elective	3
Fine Arts Elective	3	***Humanities Elective	3
Total	16 hrs.	Total	16 hrs.

Second Year

First Semester	Second Semester		
General Chemistry I	CHE 1214	General Chemistry II	CHE 1224
Princ of Accounting I	ACC 2213	Princ of Accounting II	ACC 2223
Animal Science	AGR 1214	Princ of Ag Economics	AGR 2713
Princ of Macroeconomics	ECO 2113	Social/Behavioral Science	3
OR Princ of Microeconomics	ECO 2123	**Elective	3
***Humanities Elective	3		
Total	17 hrs.	Total	16 hrs.

***Consult with your chosen transfer university/college to determine changes to this curriculum.

*Mathematics Electives:

MAT 1323 Trigonometry, MAT 1513 Business Calculus, MAT 1613 Calculus I, MAT 1623 Calculus II, MAT 2323 Statistics

**Choose Elective based on concentration.

Because of the large number of majors available in agriculture, it is difficult to suggest the exact courses for the sophomore year. However, if you desire to receive an Associate of Arts degree in Agriculture the courses listed under **Second Year** are recommended.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Science, Technology, Engineering, & Mathematics (STEM) Pathway
Science, Technology, and Mathematics Pathway
Chemistry

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
Trigonometry	MAT 1323	Public Speaking I
Calculus I	MAT 1613	Calculus II
General Chemistry I	CHE 1214	General Chemistry II
*Social/Behavioral Science	3	General Psychology
Total	16 hrs.	Total
		16 hrs.

Second Year

First Semester		Second Semester
Organic Chemistry I	CHE 2424	Organic Chemistry II
General Physics I-A	PHY 2514	General Physics II-A
*Fine Arts Elective	3	*Literature Elective
*Elective	3	*Elective
*History Elective	3	
Total	17 hrs.	Total
		**14 hrs.

*Consult with your chosen transfer university/college to determine changes to this curriculum.

**Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Science, Technology, Engineering, & Mathematics (STEM) Pathway
Science, Technology, and Mathematics Pathway
Computer Science

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
*Calculus I	MAT 1613	Calculus II
Public Speaking I	SPT/COM 1113	General Chemistry I
General Biology I	BIO 1134	Computer Program I
**History Elective	3	**History Elective
Total	16 hrs.	Total
		16 hrs.

Second Year

First Semester		Second Semester
Calculus III	MAT 2613	Intro to Linear Algebra
General Physics I-A	PHY 2514	MAT 2113
Computer Program II	CSC 2623	General Physics II-A
**Social/Behavioral Science	3	PHY 2524
Literature Elective	3	*Fine Arts Elective
Total	16 hrs.	Total
		16 hrs.

Consult with your chosen transfer university/college to determine changes to this curriculum.

*Students are strongly advised to take MAT 1323 Trigonometry prior to enrolling in the calculus sequence.

**The student must consult the catalog of his/her chosen university concerning the number of hours in each area and the sequence to follow.

**Social/Behavioral Science Electives:

ECO 2113, ECO 2123, GEO 1113, PSC 1113, PSY 1513, SOC 2113

**Literature Electives:

ENG 2223, ENG 2233, ENG 2323, ENG 2333

**History Electives:

HIS 1113, HIS 1123, HIS 1163, HIS 1173, HIS 2213, HIS 2223

***ART 1113, MUS 1113, or SPT 2233

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Science, Technology, Engineering, & Mathematics (STEM) Pathway
Science, Technology, and Mathematics Pathway
Forestry

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
College Algebra	MAT 1313	Trigonometry
General Biology I	BIO 1134	General Biology II
Fine Arts Elective	3	Public Speaking I SPT/COM 1113
*Humanities Elective	3	*Humanities Elective 3
Total	16 hrs.	Total 16 hrs.

Second Year

First Semester		Second Semester
Business Calculus I	MAT 1513	Statistics
General Physics I	PHY 2414	Basic Soils
General Chemistry I	CHE 1214	General Chemistry II
Princ of Macroeconomics	ECO 2113	Princ of Microeconomics
Princ of Accounting I	ACC 2213	**Elective 3
Total	17 hrs.	Total 17 hrs.

*Consult with your chosen transfer university/college to determine changes to this curriculum.

**Choose Elective based on Concentration: ACC 2223, BAD 2413, or PSC 1113

The Forestry major at Mississippi State University consists of five concentrations: Environmental Conservation, Forest Management, Forest Products, Urban Forestry, and Wildlife Management.

Forestry majors are encouraged to enter the Forestry Major at MSU by Spring semester of their sophomore year to complete their academic programs in the normal four-year period of study. If you desire to receive an Associate of Arts degree in Forestry, the courses listed under **Second Year** are recommended.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Science, Technology, Engineering, & Mathematics (STEM) Pathway
Science, Technology, and Mathematics Pathway
Mathematics
(Non-Education Major)

First Year

First Semester		Second Semester
English Composition I	ENG 1113	English Composition II
*Trigonometry	MAT 1323	*Calculus II
*Calculus I	MAT 1613	Computer Program I
***History or Literature Elective	3	***History or Literature Elective
**Natural Science w/Lab	4	**Natural Science w/Lab
Total	16 hrs.	Total
		16 hrs.

Second Year

First Semester		Second Semester
General Psychology	PSY 1513	Intro to Sociology
Calculus III	MAT 2613	Calculus IV
***Intro to Linear Algebra	MAT 2113	***Differential Equations
General Physics I-A	PHY 2514	General Physics II-A
Public Speaking I	SPT/COM 1113	***Fine Arts Elective
Total	16 hrs.	Total
		16 hrs.

***Consult with your chosen transfer university/college to determine changes to this curriculum.

*Students are strongly advised to take MAT 1323 Trigonometry prior to enrolling in the calculus sequence or prior to enrolling in MAT 1623 Calculus II.

**BIO 1134 & 1144 or CHE 1214 & 1224

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Science, Technology, Engineering, & Mathematics (STEM) Pathway
Science, Technology, and Mathematics Pathway
Wildlife, Fisheries, and Aquaculture

First Year

First Semester	Second Semester
English Composition I	ENG 1113 English Composition II
College Algebra	MAT 1313 Trigonometry
General Biology I	BIO 1134 General Biology II
Fine Arts Elective	3 Public Speaking I SPT/COM 1113
*Humanities Elective	3 *Humanities Elective
Total	16 hrs. Total 16 hrs.

Second Year

First Semester	Second Semester
Business Calculus I	MAT 1513 Statistics
Introduction to Ethics	PHI 2143 Basic Soils
General Chemistry I	CHE 1214 General Chemistry II
General Physics I	PHY 2414 **Social/Behavioral Science 3
Princ of Macroeconomics	ECO 2113 ***Elective 3
OR Princ of Microeconomics	ECO 2123
Total	17 hrs. Total 17 hrs.

*Consult with your chosen transfer university/college to determine changes to this curriculum.

**PSY 1513 or SOC 2113

***Choose Elective based on Concentration: PSY 1513, SOC 2113, or CRJ 1383

The Wildlife, Fisheries, and Aquaculture major at Mississippi State University consists of six concentrations: Wildlife, Fisheries and Aquaculture Science, Conservation Law Enforcement, Wildlife Veterinary Medicine, Wildlife Pre-Veterinary Medicine, Wildlife Agriculture Conservation, and Human-Wildlife Conflicts.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Page 209 Add Programs to Career Technical Pathways List under Professional Studies Pathway “Paralegal Technology: Legal Assistant Technology” and “Paralegal Technology: Legal Management Technology”

CAREER TECHNICAL PATHWAYS

Health Science Programs Pathway
Associate Degree Nursing Program
Emergency Medical Sciences/Basic Program
Emergency Medical Sciences/Critical Care Program
Emergency Medical Sciences/Advanced EMT and Paramedic Program
Health Care Assistant Program
Massage Therapy Program
Occupational Therapy Assistant Technology Program
Physical Therapist Assistant Program
Practical Nursing Program
Surgical Technology Program
Industrial Studies Pathway
Automotive Technology
Collision Repair Technology
Engineering Technology:
Architectural Engineering Technology
Construction Technology
Drafting & Design Technology
Industrial Engineering Management Technology
Industrial Technology
Interior Design Technology
Heating/Vent/AC/Refrigeration Technology
Industrial Mechanics and Maintenance Technology:
Electro-Mechanical Technology
Industrial Maintenance Technology
Precision Machining Technology
Welding & Cutting Technology
Professional Studies Pathway
Business Technology:
Accounting Technology
Administrative Office Technology
Billing & Coding Technology
Business Management Technology
Medical Office Technology
Conservation Law Enforcement Technology
Cosmetology
Criminal Justice Administration Technology
Culinary Arts Technology
Forest Technology
Information Systems Technology:
Computer Networking Technology
Computer Programming
Paralegal Technology:
Legal Assistant Technology
Legal Management Technology

Page 239 Revised Program Page as follows

**Health Science Programs Pathway
Surgical Technology Program**

The student must complete and pass the first year courses as prerequisites for admission into the Surgical Technology Program at Holmes Community College.

First Year

First Semester		Second Semester
English Composition I	ENG 1113	*College Algebra
Anatomy & Physiology I	BIO 2514	Anatomy & Physiology II
Humanities/Fine Arts	3	Social/Behavioral Science
**Approved Electives	6	**Approved Electives
Total	16 hrs.	Total
		15 hrs.

Second Year

First Semester		Second Semester
Fund/Surgical Tech	SUT 1113	Basic & Related Surgical
Principles of Surgical		Procedures
Technique	SUT 1217	Specialized Surgical
Surgical Anatomy	SUT 1314	Procedures
Surgical Microbiology	SUT 1413	SUT 1528
Total	17 hrs.	Total
		16 hrs.

Third Semester

Advanced Surgical Procedures		SUT 1539
	Total	9 hrs.

An AAS Degree may be earned at this point.

*MAT 1233 & a natural science with lab (7 hrs. total) OR BOT 1313 & a natural science with lab (7 hrs. total) may be substituted for College Algebra.

**Approved Electives: BIO 1134, BIO 1144, BIO 1613, BIO 1813, BIO 2924, BOT 1613, BOT 1623, CHE 1214, EPY 2513, EPY 2523, EPY 2533/PSY 2533, HPR 1213, HPR 1223, HPR 2213, MUS 1113, PSY 1513, SOC 2113, SOC 2143, SSP 1002, SUT 1703, or Work-Based Learning.

Assistance with math and/or reading will be available on a co-curricular basis to certificate-seeking students who lack entry-level skills in math and/ or reading.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Page 256 Add Programs to Professional Studies Pathway List – “Paralegal Technology: Legal Assistant Technology” and “Paralegal Technology: Legal Management Technology”

Professional Studies Pathway
Business Technology:
Accounting Technology
Administrative Office Technology
Billing & Coding Technology
Business Management Technology
Medical Office Technology
Conservation Law Enforcement Technology
Cosmetology
Criminal Justice Administration Technology
Culinary Arts Technology
Forest Technology
Information Systems Technology:
Computer Networking Technology
Computer Programming
Paralegal Technology
Legal Assistant Technology
Legal Management Technology

Page 269 Replace “Paralegal Technology” Program Page with the following two Paralegal Programs “Legal Assistant Technology” and “Legal Management Technology”

Professional Studies Pathway
Paralegal Technology
Legal Assistant Technology

First Year

First Semester		Second Semester
Microsoft Word	BOT 1233	Wills and Estates
Introduction to Law	LET 1123	Civil Litigation I
Legal Research	LET 1213	Torts
Family Law	LET 1513	Contracts & Bus. Law
Real Property I	LET 2453	*Approved Electives
Total	15 hrs.	Total 15 hrs.

A Technical Certificate may be earned at this point.

Second Year

First Semester		Second Semester
Legal Writing	LET 1713	English Composition I
Civil Litigation II	LET 2333	English Composition II
Law Office Management	LET 2653	OR Public Speaking I
Special Problems in Paralegal Technology	LET 2913	OR Social/Behavioral Science
Smart Start Pathway	SSP 1002	College Algebra
Work-Based Learning I	WBL 1913	OR Natural Science w/Lab
Total	17 hrs.	Total 15-16 hrs.

An Advanced Technical Certificate may be earned at this point.

An AAS Degree may be earned at this point.

Paralegal Technology-Legal Assistant Technology is designed to prepare a person for entry-level employment as a paralegal in courts, corporations, law firms, and government agencies. Paralegal Technology requires courses in the career technical core, designated areas of concentration, and the academic core. The program offers a Technical certificate, an Advanced Technical Certificate and an AAS degree. The curriculum is based on standards developed from the National Association of Legal Assistants' Descriptions of Certified Paralegal (CP) Exam Sections. Additional research data used in the development of this publication was collected from a review of related literature and from surveys of local experts in business, industry, and education.

*Approved Electives: BOT 1273, CRJ 2323, LET 2383, LET 2463, LET 2523, Work-Based Learning, or any other technical or academic course approved by advisor.

Assistance with math and/or reading will be available on a co-curricular basis to certificate-seeking students who lack entry-level skills in math and/or reading.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Professional Studies Pathway
Paralegal Technology
Legal Management Technology

First Year

First Semester	Second Semester		
Intro to Business Mgmt	BOT 1453	Human Resource Mgmt	BOT 2233
Introduction to Law	LET 1123	Wills and Estates	LET 1523
Legal Research	LET 1213	Civil Litigation I	LET 2313
Family Law	LET 1513	Torts	LET 2323
Real Property I	LET 2453	Contracts & Bus. Law	LET 2373
Total	15 hrs.	Total	15 hrs.

A Technical Certificate may be earned at this point.

Second Year

First Semester	Second Semester		
Legal Writing	LET 1713	English Composition I	ENG 1113
Civil Litigation II	LET 2333	English Composition II	ENG 1123
Law Office Management	LET 2653	OR Public Speaking I	SPT/COM 1113
Special Problems in Paralegal Technology	LET 2913	OR Social/Behavioral Science	3
Smart Start Pathway	SSP 1002	College Algebra	MAT 1313
*Approved Elective	3	OR Natural Science w/Lab	4
		Humanities/Fine Arts	3
		Social/Behavioral Science	3
Total	17 hrs.	Total	15-16 hrs.

An Advanced Technical Certificate may be earned at this point.

An AAS Degree may be earned at this point.

Paralegal Technology-Legal Management Technology is designed to prepare a person for entry-level employment as a law office manager assistant or paralegal in courts, corporations, law firms, and government agencies. Paralegal Technology requires courses in the career technical core, designated areas of concentration, and the academic core. The program offers a Technical certificate, an Advanced Technical Certificate and an AAS degree. The curriculum is based on standards developed from the National Association of Legal Assistants' Descriptions of Certified Paralegal (CP) Exam Sections. Additional research data used in the development of this publication was collected from a review of related literature and from surveys of local experts in business, industry, and education.

*Approved Electives: BOT 1233, BOT 1273, CRJ 2323, LET 2383, LET 2463, LET 2523, Work-Based Learning, or any other technical or academic course approved by advisor.

Assistance with math and/or reading will be available on a co-curricular basis to certificate-seeking students who lack entry-level skills in math and/or reading.

Enrollment in a minimum of 15 hours each semester is recommended for eligibility for state aid, institutional scholarships, and the tuition break.

Page 274 Revise the following Biology Courses

BIO 1114 – Principles of Biology I.

A combined lecture and laboratory course for non-science majors that provides an introduction to the basic principles of modern biology and their relevance to modern life. Emphasis is placed on the nature and history of scientific thought, basic biological chemistry, cell biology, and genetics. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes. Three hours lecture. Two hours laboratory. Four hours credit.

BIO 1124 – Principles of Biology II.

A combined lecture and laboratory course for non-science majors that emphasizes the survey of the diversity of life, ecology, evolution, and an overview of organ systems. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes. Three hours lecture. Two hours laboratory. Four hours credit.

Page 278 Add the following Chemistry Courses

CHE 1214 – General Chemistry I (Co-requisite: MAT 1313 or appropriate placement in a higher level math course).

A combined lecture and laboratory course that covers the fundamental principles of chemistry and their application. Chemical nomenclature, chemical reactions, stoichiometry, atomic structure, bonding theories, energy, periodic properties, and gas laws are among the topics discussed in depth. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes. Three hours lecture. Three hours laboratory. Four hours credit.

CHE 1224 – General Chemistry II (Prerequisite: CHE 1214 or CHE 1213 & CHE 1211).

A combined lecture and laboratory course that covers solutions, kinetics, equilibria, thermodynamics, acid-base chemistry, and electrochemistry. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes. Three hours lecture. Three hours laboratory. Four hours credit.

Page 278 Revise the following Chemistry Courses

CHE 2424 – Organic Chemistry I (Prerequisite: CHE 1224 or CHE 1223).

A combined lecture and laboratory course that covers carbon chemistry, bonding structure and behavior, aliphatic compounds, stereochemistry, reaction mechanisms, and an introduction to spectroscopic methods. Labs associated with this course provide students with techniques to characterize, identify, purify, and synthesize organic compounds. Three hours lecture. Three hours laboratory. Four hours credit.

CHE 2434 – Organic Chemistry II (Prerequisite: CHE 2424).

A combined lecture and laboratory course that covers spectroscopy, aromatic compounds, carbonyl compounds, and other complex compounds with emphasis on reactions and their mechanisms. Labs associated with this course use organic techniques to characterize, identify, purify, and/or synthesize organic compounds, including aromatics and complex compounds. Three hours lecture. Three hours laboratory. Four hours credit.

Page 283 Revise the following Engineering Course

EGR 1113 – Introduction to Engineering.

This course provides students with an introduction to engineering as a profession. Students will be familiarized with the various career pathways in engineering as well as planning for success in their chosen field. Three hours lecture. Three hours credit.

Page 292-293 Revise the following Mathematics Courses

MAT 0124 – Beginning Algebra.

This course includes operations with real numbers, linear equations, the coordinate system, linear inequalities, laws of exponents, operations with polynomials, and factoring. Four hours lecture. Four hours institutional credit. (Not designed to transfer.)

MAT 1233 – Intermediate Algebra (Prerequisite: MAT 0124 with a C or appropriate placement score for MAT 1233).

This course includes linear equations and their graphs; inequalities and number line graphs; rational expressions; factoring; laws of exponents; radicals; polynomials. Three hours lecture. Three hours credit.

MAT 1313 – College Algebra (Prerequisite: MAT 1233 with a C or appropriate placement score for MAT 1313).

This course includes the following topics with applications: inequalities; functions; linear and quadratic equations, and their graphs; rational, radical, and higher-order equations; polynomial and rational functions; logarithmic and exponential functions; systems of equations. Three hours lecture. Three hours credit.

MAT 1333 – Finite Mathematics (Prerequisite: MAT 1313).

This course is an introduction to sets, functions, matrices, linear programming, and probability with applications in business decision making and behavioral sciences. Three hours lecture. Three hours credit.

MAT 1513 – Business Calculus I (Prerequisite: MAT 1313 or appropriate placement score for MAT 1323).

This course is a study of functions, limits, continuity, derivatives, and their applications to business and economics. Three hours lecture. Three hours credit.

MAT 1523 – Business Calculus II (Prerequisite: MAT 1513).

This course is a study of antiderivatives, techniques of integration, applications of the definite integral, and applications to business and economics. Three hours lecture. Three hours credit.

MAT 1613 – Calculus I (Co-requisite: MAT 1323 or appropriate placement score for MAT 1613).

This course includes the following topics: limits; continuity; the definition of the derivative; differentiation; and applications. Three hours lecture. Three hours credit.

MAT 1623 – Calculus II (Prerequisite: MAT 1613).

This course includes the following topics: antiderivatives, the definite integral, indefinite integrals, techniques of integration, and applications.

MAT 1723 – Real Number System (Prerequisite: MAT 0124 with a C or appropriate placement score for MAT 1233).

This course is designed for elementary and special education majors. Topics include set theory, numeration systems, foundations of number theory, and properties and operations of real numbers. Three hours lecture. Three hours credit.

MAT 1733 – Geometry, Measurement, and Probability (Prerequisite: MAT 1233 with a C or appropriate placement score for MAT 1313).

This course is designed for elementary and special education majors. Topics include geometric definitions, shapes, and formulas; linear and angular measurements; unit conversions, statistics and probability. Three hours lecture. Three hours credit.

MAT 2323 – Statistics (Prerequisite: MAT 1313 or appropriate placement score of MAT 1613).

This course is an introduction to statistical methods of describing, summarizing, comparing, and interpreting data to include probability distributions, sampling, estimation, confidence intervals, and hypothesis testing. Three hours lecture. Three hours credit.

MAT 2613 – Calculus III (Prerequisite: MAT 1623).

This course includes the following topics: analytical geometry; parametric equations; polar coordinates; improper integrals, infinite sequences and series; Taylor polynomial, vectors and geometry of space. Three hours lecture. Three hours credit.

MAT 2623 – Calculus IV (Prerequisite: MAT 2613).

This course includes the following topics: partial differentiation; optimization; multiple integration; vector calculus; quadric surfaces, line integrals, and divergence theorem. Three hours lecture. Three hours credit.

Page 300-301 Revise the following Physics Courses

PHY 2254 – Physical Science II.

A combined lecture and laboratory course that includes studies of chemistry and earth science. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes. Three hours lecture. Two hours laboratory. Four hours credit.

PHY 2414 – General Physics I (Co-requisite: MAT 1323 or placement score for MAT 1613 or higher).

A trigonometry-based combined lecture and laboratory course covering mechanics and conservation laws, primarily for pre-professional majors. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes. Three hours lecture. Three hours laboratory. Four hours credit.

PHY 2424 – General Physics II (Prerequisite: PHY 2414).

A trigonometry-based combined lecture and laboratory course covering electricity, magnetism, and optics, primarily for pre-professional majors. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes. Three hours lecture. Three hours laboratory. Four hours credit.

PHY 2514 – General Physics I-A (Prerequisite: MAT 1613 or higher).

A calculus-based combined lecture and laboratory course covering mechanics and conservation laws, primarily for students of engineering, science, or mathematics. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes. Three hours lecture. Three hours laboratory. Four hours credit.

PHY 2524 – General Physics II-A (Prerequisite: PHY 2514).

A calculus-based combined lecture and laboratory course covering electricity, magnetism, and optics, primarily for students of engineering, science or mathematics. Labs associated with this course contain experiments and exercises that reinforce the principles introduced in lecture classes. Three hours lecture. Three hours laboratory. Four hours credit.

I certify the above amendment is true and correct in content and in policy.



February 18, 2022

Dr. Jenny Jones, Vice President for Academic Programs